

INVENTOR SEARCH

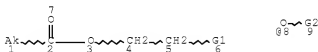
=> d his l43

(FILE 'HCAPLUS' ENTERED AT 15:59:13 ON 29 APR 2011)

L43 3 S L24 OR L42
 SAV TEMP L43 HAM024HCPIN/A

=> d que l43

L3 STR



VAR G1=OH/8
 VAR G2=ME/ET/N-PR/N-BU
 NODE ATTRIBUTES:
 CONNECT IS E1 RC AT 1
 DEFAULT MLEVEL IS ATOM
 DEFAULT ELEVEL IS LIMITED
 ECOUNT IS M23-X35 C AT 1

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 9

STEREO ATTRIBUTES: NONE

L7 28 SEA FILE=REGISTRY SSS FUL L3
 L9 13 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON L7 AND
 PMS/CI
 L10 15 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON L7 NOT L9
 L11 11 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON L10 AND 3/O
 L13 22 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L11
 L15 27 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON ("BORNEMANN,
 STEFFEN"/AU OR "JOERRES, VOLKER"/AU OR "VOGES,
 MICHAEL"/AU)
 L16 QUE SPE=ON ABB=ON PLU=ON BORNEMANN S?/AU
 L17 QUE SPE=ON ABB=ON PLU=ON JOERRES V?/AU
 L18 QUE SPE=ON ABB=ON PLU=ON VOGES M?/AU
 L19 QUE SPE=ON ABB=ON PLU=ON L16 AND L17 AND L18
 L20 1 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L16 AND L17
 AND L18
 L21 20 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON "COROVIN GMBH
 GERMANY"/PA
 L22 2 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON ((L15 OR L16
 OR L17 OR L18 OR L19)) AND L21
 L23 2 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L13 AND ((L15
 OR L16 OR L17 OR L18 OR L19 OR L20 OR L21 OR L22))
 L24 3 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON (L22 OR L23)
 L29 QUE SPE=ON ABB=ON PLU=ON MIX? OR MIXT# OR MIXTURE?
 OR BLEND? OR ADMIX? OR COMMIX?
 L30 QUE SPE=ON ABB=ON PLU=ON IMMIX? OR INTERMIX? OR DOP
 E# OR DOPING# OR DOPANT# OR IMPREGNAT? OR COMPOSIT? OR
 COMPN#
 L31 QUE SPE=ON ABB=ON PLU=ON COMPSN# OR FORMULAT? OR CO

10/538,024-362669-EIC SEARCH

L35 MBINAT? OR INTERSPER? OR SUSPEN? OR DISPERS? OR EMULS?
QUE SPE=ON ABB=ON PLU=ON ADDITIVE? OR RETARDER? OR
IMPROVER? OR STABILIZER? OR STABILISER? OR INHIBITOR? O
R MODIFIER? OR ACTIVATOR? OR DEACTIVATOR? OR APPRECIATO
R? OR BOOSTER? OR SUPPRESSOR? OR SCAVENGER? OR ENHANCER
? OR ACCELERAT!R? OR ACCELERANT? OR AGENT? OR PROMOT!R?
L36 QUE SPE=ON ABB=ON PLU=ON MELT?
L37 QUE SPE=ON ABB=ON PLU=ON L36 (3A) L35
L42 2 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L24 AND ((L29
OR L30 OR L31) AND (L35 OR L36 OR L37))
L43 3 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L24 OR L42

10/538,024-362669-EIC SEARCH

INVENTOR SEARCH RESULTS

=> d 143 1-3 ibib ed abs hitstr hitind re

L43 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2011 ACS on STN
 ACCESSION NUMBER: 2009:1564956 HCAPLUS [Full-text](#)
 DOCUMENT NUMBER: 152:77029
 TITLE: Production of hydrophilic polyolefin fiber compositions
 INVENTOR(S): Bornemann, Steffen
 PATENT ASSIGNEE(S): Fiberweb Corovin GmbH, Germany
 SOURCE: Ger., 9pp.
 CODEN: GWXXAW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10257730	B4	20091217	DE 2002-10257730	2002 1211
DE 10257730	A1	20040708		
WO 2004052985	A1	20040624	WO 2003-EP13826	2003 1206
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003292204	A1	20040630	AU 2003-292204	2003 1206
AU 2003292204	B2	20070517		
EP 1581590	A1	20051005	EP 2003-767762	2003 1206
EP 1581590	B1	20060419		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1723240	A	20060118	CN 2003-80105607	2003 1206
CN 100497460	C	20090610		
JP 2006509897	T	20060323	JP 2005-502314	2003 1206
JP 4667239	B2	20110406		
AT 323740	T	20060515	AT 2003-767762	

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				2003 1206
ES 2263032	T3	20061201	ES 2003-767762	
				2003 1206
MX 2005006208	A	20050819	MX 2005-6208	
				2005 0610
JP 2008255365	A	20081023	JP 2008-166631	
				2008 0625
PRIORITY APPLN. INFO.:			DE 2002-10257730	A
				2002 1211
			DE 2003-10307867	A
				2003 0225
			JP 2005-502314	A3
				2003 1206
			WO 2003-EP13826	W
				2003 1206

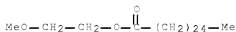
ED Entered STN: 17 Dec 2009

AB The title compns., useful in fibers, filaments, and fleeces or their products with permanent hydrophilicity, comprise polyolefins containing 0.5 - 10 weight% melt additive such as fatty acid esters RC(:O)OCH2CH2OR' (R = C23-35 alkyl and R' = Me, Et, n-Pr or n-Bu). A spun fleece prepared from a blend of polypropene fibers and 2% 2-methoxyethyl hexacosanoate had surface tension 72.5 and 65.5 mN/m, resp., before and after 30 min immersion in water.

IT 709654-78-4
RL: MOA (Modifier or additive use); PRP (Properties); USES (Uses)
(production of hydrophilic polyolefin fiber compns.)

RN 709654-78-4 HCAPLUS

CN Hexacosanoic acid, 2-methoxyethyl ester (CA INDEX NAME)



IPCI C08L0023-02 [I,A]; C08L0053-00 [I,A]; C08K0005-103 [I,A];
D01F0001-10 [I,A]; D01F0006-04 [I,A]; D04H0001-42 [I,A];
D04H0003-00 [I,A]

IPCR C08L0023-00 [I,C]; C08L0023-02 [I,A]; C08K0005-00 [I,C];
C08K0005-101 [I,A]; C08K0005-103 [I,A]; C08L0053-00 [I,C];
C08L0053-00 [I,A]; D01F0001-10 [I,C]; D01F0001-10 [I,A];
D01F0006-04 [I,C]; D01F0006-04 [I,A]; D04H0001-42 [I,C];
D04H0001-42 [I,A]; D04H0003-00 [I,C]; D04H0003-00 [I,A]

CC 40-10 (Textiles and Fibers)

ST polyolefin fleece compn hydrophilic; polypropene fleece
compn hydrophilic; fatty acid ester fleece hydrophilic;
methoxyethyl hexacosanoate polyolefin fleece hydrophilic

IT Fatty acids

10/538,024-362669-EIC SEARCH

RL: MOA (Modifier or additive use); PRP (Properties); USES (Uses)
(esters; production of hydrophilic polyolefin fiber compns
.)

- IT Polyolefin fibers
RL: PEP (Physical, engineering or chemical process); TEM
(Technical or engineered material use); PROC (Process); USES
(Uses)
(ethylene, nonwoven; production of hydrophilic polyolefin fiber
compns.)
- IT Polypropene fibers
RL: PEP (Physical, engineering or chemical process); TEM
(Technical or engineered material use); PROC (Process); USES
(Uses)
(fabrics, nonwoven; production of hydrophilic polyolefin fiber
compns.)
- IT Polyolefin fibers
RL: PRP (Properties); TEM (Technical or engineered material use);
USES (Uses)
(nonwoven; production of hydrophilic polyolefin fiber
compns.)
- IT 13463-67-7, Titania, uses 1200829-36-2, Remafin RCLAP
RL: MOA (Modifier or additive use); USES (Uses)
(production of hydrophilic polyolefin fiber compns.)
- IT 709654-78-4
RL: MOA (Modifier or additive use); PRP (Properties); USES (Uses)
(production of hydrophilic polyolefin fiber compns.)
- IT 25085-53-4, Isotactic polypropylene
RL: PRP (Properties); TEM (Technical or engineered material use);
USES (Uses)
(production of hydrophilic polyolefin fiber compns.)
- IT 9002-88-4, Polyethylene
RL: TEM (Technical or engineered material use); USES (Uses)
(production of hydrophilic polyolefin fiber compns.)

RE CITED REFERENCES

- (1) Anon; EP 0605831 A1 HCAPLUS
- (2) Anon; US 5634971 A HCAPLUS
- (3) Anon; US 6153701 A HCAPLUS
- (4) Anon; Ullmann's Encycl of Ind Chem, 5th Ed VA20, PS479

L43 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2004:1073087 HCAPLUS Full-text

DOCUMENT NUMBER: 142:39978

TITLE: Method and apparatus for production of
spun-bonded fleeces from filaments

INVENTOR(S): Roettger, Henning; Sodemann, Ralf; Voges,
Michael

PATENT ASSIGNEE(S): Corovin GmbH, Germany

SOURCE: Ger. Offen., 18 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent
LANGUAGE: German

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	
DE 10322460	A1	20041216	DE 2003-10322460	2003 0516

10/538,024-362669-EIC SEARCH

DE 10322460	B4	20070208		
DE 20308475	U1	20031023	DE 2003-20308475	
				2003 0516
WO 2004101869	A1	20041125	WO 2004-EP5056	
				2004 0512
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP 1629142	A1	20060301	EP 2004-732294	
				2004 0512
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK			
JP 2006526083	T	20061116	JP 2006-508173	
				2004 0512
JP 4430665	B2	20100310		
US 20070090555	A1	20070426	US 2005-556750	
				2005 1114
PRIORITY APPLN. INFO.:			DE 2003-10322460	A
				2003 0516
			WO 2004-EP5056	W
				2004 0512

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

ED Entered STN: 16 Dec 2004

AB Which converts split fibers to spun-bonded fabrics, thermoplastic fibers are spun, passed through a nozzle that generates a hydrostatic pressure within the fiber which is greater than the surrounding gas pressure so that the fibers are split into many filaments, and the filaments are tempered and/or drawn to give distinguishable diams. and lengths. The process is exemplified for spun-bonded polypropene fibers and drawings illustrating the process and apparatus are included. IPCI D04H0003-02 [I,A]; D04H0003-16 [I,A]; D04H0013-00 [I,A];

D01D0005-42 [I,A]; D01D0005-00 [I,C*]

IPCR D04H0003-02 [I,C]; D04H0003-02 [I,A]; D01D0005-00 [I,C]; D01D0005-08 [I,C*]; D01D0005-098 [I,A]; D01D0005-42 [I,A]; D04H0003-08 [I,C*]; D04H0003-10 [I,A]; D04H0003-16 [I,C]; D04H0003-16 [I,A]; D04H0013-00 [I,C]; D04H0013-00 [I,A]

CC 40-2 (Textiles and Fibers)

Section cross-reference(s): 47

RE CITED REFERENCES

- (1) Anon; WO 0100909 A1
- (2) Anon; DE 19962360 A1 HCAPLUS
- (3) Anon; DE 3645330 C2
- (4) Anon; DE 4014414 C2

10/538,024-362669-EIC SEARCH

(5) Anon; DE 4032523 C2

OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE
THIS RECORD (3 CITINGS)

L43 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2011 ACS ON STN
ACCESSION NUMBER: 2004:515587 HCAPLUS Full-text
DOCUMENT NUMBER: 141:72930
TITLE: Production of hydrophilic polyolefin fiber
compositions
INVENTOR(S): Bornemann, Steffen; Joerres,
Volker; Voges, Michael
PATENT ASSIGNEE(S): Corovin GmbH, Germany
SOURCE: PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2004052985	A1	20040624	WO 2003-EP13826	2003 1206
<p>W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW</p> <p>RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG</p>				
DE 10257730	B4	20091217	DE 2002-10257730	2002 1211
DE 10257730	A1	20040708		
DE 10307867	A1	20040916	DE 2003-10307867	2003 0225
AU 2003292204	A1	20040630	AU 2003-292204	2003 1206
AU 2003292204	B2	20070517		
EP 1581590	A1	20051005	EP 2003-767762	2003 1206
EP 1581590	B1	20060419		
<p>R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK</p>				
JP 2006509897	T	20060323	JP 2005-502314	2003 1206
JP 4667239	B2	20110406		
MX 2005006208	A	20050819	MX 2005-6208	

10/538,024-362669-EIC SEARCH

US 20070167549	A1	20070719	US 2006-538024	2005 0610
				2006 1121
PRIORITY APPLN. INFO.:			DE 2002-10257730	A 2002 1211
			DE 2003-10307867	A 2003 0225
			WO 2003-EP13826	W 2003 1206

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

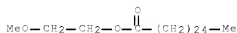
ED Entered STN: 27 Jun 2004

AB The title compns., useful in fibers, filaments, and fleeces or their products with permanent hydrophilicity, contain polyolefins with surfaces activated by silicones or quaternary ammonium compds., and fatty acid esters of specified compn. A spun fleece prepared from a blend of polypropene fibers and 2% 2-methoxyethyl hexacosanoate had surface tension 72.5 and 65.5 mN/m, resp., before and after 30 min immersion in water.

IT 709654-78-4
RL: MOA (Modifier or additive use); PRP (Properties); USES (Uses)
(production of hydrophilic polyolefin fiber compns.)

RN 709654-78-4 HCAPLUS

CN Hexacosanoic acid, 2-methoxyethyl ester (CA INDEX NAME)



IPCI C08L0023-00 [ICM,7]; D06M0013-46 [ICS,7]; D06M0013-50 [ICS,7];
C08K0005-10 [ICS,7]

IPCR C08K0005-00 [I,C*]; C08K0005-101 [I,A]; D06M0013-00 [I,C*];
D06M0013-46 [I,A]; D06M0013-50 [I,A]; D06M0015-37 [I,C*];
D06M0015-643 [I,A]

CC 40-10 (Textiles and Fibers)

ST polyolefin fleece compn hydrophilic; polypropene fleece
compn hydrophilic; fatty acid ester fleece hydrophilic;
methoxyethyl hexacosanoate polyolefin fleece hydrophilic; silicone
activator polyolefin fleece hydrophilic; quaternary
ammonium compd activator polyolefin fiber

IT Polysiloxanes, uses
Quaternary ammonium compounds, uses
RL: MOA (Modifier or additive use); PRP (Properties); USES (Uses)
(activating agents; production of hydrophilic polyolefin
fiber compns.)

IT Fatty acids, uses
RL: MOA (Modifier or additive use); PRP (Properties); USES (Uses)
(esters; production of hydrophilic polyolefin fiber compns
.)

IT Polypropene fibers, uses
RL: PRP (Properties); TEM (Technical or engineered material use);

10/538,024-362669-EIC SEARCH

USES (Uses)
(fabrics, nonwoven; production of hydrophilic polyolefin fiber
compos.)

IT Polyolefin fibers
RL: PRP (Properties); TEM (Technical or engineered material use);
USES (Uses)
(nonwoven; production of hydrophilic polyolefin fiber
compos.)

IT 102-71-6D, Triethanolamine, fatty acid esters, quaternized
RL: MOA (Modifier or additive use); PRP (Properties); USES (Uses)
(activating agents; production of hydrophilic polyolefin
fiber compos.)

IT 709654-78-4
RL: MOA (Modifier or additive use); PRP (Properties); USES (Uses)
(production of hydrophilic polyolefin fiber compos.)

RE CITED REFERENCES

- (1) Anon; US 20010008965 A1
- (2) Anon; US 20020019184 A1 HCAPLUS
- (3) Anon; US 6008145 A HCAPLUS
- (4) Anon; US 6211101 B1 HCAPLUS

OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE
THIS RECORD (4 CITINGS)

STRUCTURE SEARCH

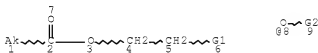
=> d his 140

(FILE 'HCAPLUS' ENTERED AT 15:59:13 ON 29 APR 2011)

L40 17 S L28 OR L32-L34 OR L38 OR L39

=> d que 140

L3 STR



VAR G1=OH/8

VAR G2=ME/ET/N-PR/N-BU

NODE ATTRIBUTES:

CONNECT IS E1 RC AT 1

DEFAULT MLEVEL IS ATOM

DEFAULT ELEVEL IS LIMITED

ECOUNT IS M23-X35 C AT 1

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 9

STEREO ATTRIBUTES: NONE

L7 28 SEA FILE=REGISTRY SSS FUL L3
 L9 13 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON L7 AND PMS/CI
 L10 15 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON L7 NOT L9
 L11 11 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON L10 AND 3/O
 L13 22 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L11
 L15 27 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON ("BORNEMANN, STEFFEN"/AU OR "JOERRES, VOLKER"/AU OR "VOGES, MICHAEL"/AU)
 L16 QUE SPE=ON ABB=ON PLU=ON BORNEMANN S7/AU
 L17 QUE SPE=ON ABB=ON PLU=ON JOERRES V7/AU
 L18 QUE SPE=ON ABB=ON PLU=ON VOGES M7/AU
 L19 QUE SPE=ON ABB=ON PLU=ON L16 AND L17 AND L18
 L20 1 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L16 AND L17 AND L18
 L21 20 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON "COROVIN GMBH GERMANY"/PA
 L22 2 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON ((L15 OR L16 OR L17 OR L18 OR L19)) AND L21
 L23 2 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L13 AND ((L15 OR L16 OR L17 OR L18 OR L19 OR L20 OR L21 OR L22))
 L24 3 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON (L22 OR L23)
 L25 20 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L13 NOT L24
 L26 QUE SPE=ON ABB=ON PLU=ON PY=<2003 NOT P/DT
 L27 QUE SPE=ON ABB=ON PLU=ON (PY=<2003 OR PRY=<2003 OR AY=<2003 OR MY=<2003 OR REVIEW/DT) AND P/DT
 L28 17 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L25 AND (L26 OR L27)
 L29 QUE SPE=ON ABB=ON PLU=ON MIX? OR MIXT# OR MIXTURE?

10/538,024-362669-EIC SEARCH

OR BLEND? OR ADMIX? OR COMMIX?
 L30 QUE SPE=ON ABB=ON PLU=ON IMMIX? OR INTERMIX? OR DOP
 E# OR DOPING# OR DOPANT# OR IMPREGNAT? OR COMPOSIT? OR
 COMPN#
 L31 QUE SPE=ON ABB=ON PLU=ON COMPSN# OR FORMULAT? OR CO
 MBINAT? OR INTERSPER? OR SUSPEN? OR DISPERS? OR EMULS?
 L32 15 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L28 AND ((L29
 OR L30 OR L31))
 L33 8 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L28 AND
 ?POLYM?
 L34 16 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L32 OR L33
 L35 QUE SPE=ON ABB=ON PLU=ON ADDITIVE? OR RETARDER? OR
 IMPROVER? OR STABILIZER? OR STABILISER? OR INHIBITOR? O
 R MODIFIER? OR ACTIVATOR? OR DEACTIVATOR? OR APPRECIATO
 R? OR BOOSTER? OR SUPPRESSOR? OR SCAVENGER? OR ENHANCER
 ? OR ACCELERAT!R? OR ACCELERANT? OR AGENT? OR PROMOT!R?
 L36 QUE SPE=ON ABB=ON PLU=ON MELT?
 L37 QUE SPE=ON ABB=ON PLU=ON L36(3A) L35
 L38 1 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L28 AND L37
 L39 1 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L38 AND (L35
 OR L36)
 L40 17 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L28 OR (L32
 OR L33 OR L34) OR L38 OR L39

STRUCTURE SEARCH RESULTS

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L40 ANSWER 1 OF 17 HCAPLUS COPYRIGHT 2011 ACS on STN
 ACCESSION NUMBER: 2005:673715 HCAPLUS [Full-text](#)
 DOCUMENT NUMBER: 143:148307
 TITLE: Use alkoxyated waxes as adjuvants in
 pesticidal formulations
 INVENTOR(S): Heinrichs, Annette; Besold, Bernhard
 PATENT ASSIGNEE(S): Germany
 SOURCE: Ger. Offen., 9 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10361497	A1	20050728	DE 2003-10361497	2003 1223
<--				
PRIORITY APPLN. INFO.:			DE 2003-10361497	2003 1223
<--				

ED Entered STN: 31 Jul 2005

AB Alkoxyated waxes are adjuvants in formulations for plant protection products or fertilizers in horticulture and agriculture, in particular for spraying applications. The waxes are natural waxes, which contain one or more ester groups, natural waxes with a sum of the functionality of free OH groups and free acid radicals (OHZ + SP) of more than 20, or synthetic waxes or wax mixts. with a sum of the functionality between 20 and 100, individually or in combination. The waxes act as filmogens.

IT 26787-65-5D, montan wax-containing

RL: MOA (Modifier or additive use); USES (Uses)
 (use alkoxyated waxes as adjuvants in pesticidal formulations)

RN 26787-65-5 HCAPLUS

CN Octacosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IPCI A01N0025-08 [ICM,7]

IPCR A01N0025-08 [I,C*]; A01N0025-08 [I,A]; A01N0025-24 [I,C*];
 A01N0025-24 [I,A]; A01N0025-30 [I,C*]; A01N0025-30 [I,A];
 A01N0043-02 [I,C*]; A01N0043-12 [I,A]; A01N0043-34 [I,C*];
 A01N0043-40 [I,A]; A01N0043-42 [I,A]; A01N0043-64 [I,C*];
 A01N0043-707 [I,A]; A01N0043-72 [I,C*]; A01N0043-82 [I,A];
 A01N0043-90 [I,C*]; A01N0043-90 [I,A]; A01N0047-10 [I,C*];
 A01N0047-22 [I,A]; A01N0047-28 [I,C*]; A01N0047-36 [I,A];
 A01N0053-00 [I,C*]; A01N0053-00 [I,A]; A01N0065-00 [I,C*];

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A01N0065-00 [I,A]
 CC 5-6 (Agrochemical Bioregulators)
 ST alkoxyated wax adjuvant pesticide formulation
 IT Pesticide formulations
 (adjuvants; use alkoxyated waxes as adjuvants in pesticidal formulations)
 IT Waxes
 RL: MOA (Modifier or additive use); USES (Uses)
 (alkoxyated; use alkoxyated waxes as adjuvants in pesticidal formulations)
 IT Paraffin waxes, uses
 RL: MOA (Modifier or additive use); USES (Uses)
 (mixture with ethoxyated waxes; use alkoxyated waxes as adjuvants in pesticidal formulations)
 IT Montan wax
 RL: MOA (Modifier or additive use); USES (Uses)
 (mixts. with ethoxyated montanates; use alkoxyated waxes as adjuvants in pesticidal formulations)
 IT Polyoxyalkylenes, uses
 RL: MOA (Modifier or additive use); USES (Uses)
 (use alkoxyated waxes as adjuvants in pesticidal formulations)
 IT 122931-48-0, Cato
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (Cato; use alkoxyated waxes as adjuvants in pesticidal formulations)
 IT 13684-63-4, Betanal 41394-05-2, Goltix 68359-37-5, Baythroid
 105512-06-9, Topik 120923-37-7, Amidosulfuron 860456-41-3, Terano
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (use alkoxyated waxes as adjuvants in pesticidal formulations)
 IT 25322-68-3D, Polyethylene glycol, mixture with ethoxyated beeswax 25322-68-3D, Polyethylene glycol, mixture with ethoxyated candellila wax and paraffins 25322-68-3D, Polyethylene glycol, mixture with ethoxyated carnauba wax 25322-68-3D, Polyethylene glycol, mixture with ethoxyated montan wax 25322-68-3D, Polyethylene glycol, mixture with montan wax fatty acid ethylene esters 26787-65-5D, montan wax-containing 860439-43-6D, Polyoxyethylene sorbitan sesquioctacosanoate, montan wax-containing 860456-38-8D, montan wax-containing 860456-40-2D, montan wax-containing 860460-50-0D, montan wax-containing 860460-52-2D, montan wax-containing
 RL: MOA (Modifier or additive use); USES (Uses)
 (use alkoxyated waxes as adjuvants in pesticidal formulations)

RETABLE

Referenced	Referenced Author	Year	VOL	PG	Referenced Work	
	(RAU)	(RPY)	(RVL)	(RPG)	(RWK)	File
=====	+	+	+	+	+	+
====						
Anon					IWO 03104330 A1	HCAPLUS
Anon					DE 10136804 A1	HCAPLUS
Anon					DE 19906491 A1	HCAPLUS

L40 ANSWER 2 OF 17 HCAPLUS COPYRIGHT 2011 ACS on STN
 ACCESSION NUMBER: 2004:700653 HCAPLUS [Full-text](#)
 DOCUMENT NUMBER: 141:208263
 TITLE: Noncrystalline ethylene terephthalate

10/538,024-362669-EIC SEARCH

polymer compositions and
their sheets with suppressed plate out in
calendering and good printability
Takeoka, Shinichi; Ishihara, Akiko
Achilles Corp., Japan
Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
Patent
Japanese

INVENTOR(S):
PATENT ASSIGNEE(S):
SOURCE:
DOCUMENT TYPE:
LANGUAGE:
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
----- JP 2004238534	A	20040826	JP 2003-29975	2003 0206
			<--	
JP 4156395	B2	20080924	JP 2003-29975	2003 0206

PRIORITY APPLN. INFO.:

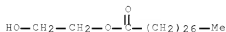
ED Entered STN: 27 Aug 2004

AB Title compns. comprise (A) 100 parts resins mainly containing noncryst. ethylene terephthalate polymers and (B) 0.1-4 parts lubricants containing olefin waxes 0.01-1, fatty esters 0.001-0.5, and fatty ester Ca salts 0.01-2.5 parts. Thus, a composition comprising Tsunami GS 2 (terephthalic acid-ethylene glycol-1,4-cyclohexanedimethanol copolymer) 75, Parapet SA 1000F10 (soft acrylic resin) 25, oxidized polyethylene wax 0.2, ethylene glycol montanate Ca salt 0.6, and ethylene glycol montanate 0.2 part was kneaded and calendered to give a sheet with good roll releasability. The sheets printed with Vinyate (printing ink) showed ink-peeled area <15% in cross cut adhesion test (JIS K 5600).

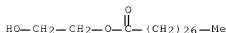
IT 26787-65-5 741671-42-1
RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)
(lubricant; noncryst. ethylene terephthalate polymer compns. with no lubricant plate out for calendering)

RN 26787-65-5 HCAPLUS

CN Octacosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



RN 741671-42-1 HCAPLUS
CN Octacosanoic acid, 2-hydroxyethyl ester, calcium salt (2:1) (CA INDEX NAME)



● 1/2 Ca

- IPCI C08L0067-02 [I,A]; C08L0067-00 [I,C*]; C08K0005-101 [I,A];
C08K0005-00 [I,C*]; C08L0051-00 [I,A]; C08L0023-26 [I,A];
C08L0023-00 [I,C*]
- IPCR C08K0005-00 [I,C*]; C08K0005-101 [I,A]; C08L0051-00 [I,A];
C08L0051-00 [I,C*]; C08L0067-00 [I,C*]; C08L0067-02 [I,A];
C08L0023-00 [I,C]; C08L0023-26 [I,A]
- CC 38-3 (Plastics Fabrication and Uses)
- ST ethylene terephthalate cyclohexanedimethanol copolymer
sheet calenderability; polyethylene wax ethylene glycol montanate
lubricant polyester; printability polyethylene terephthalate plate
out prevention; fatty ester olefin lubricant polyester calendaring
- IT Fatty acids, uses
RL: MOA (Modifier or additive use); TEM (Technical or engineered
material use); USES (Uses)
(esters, lubricants; noncryst. ethylene terephthalate
polymer compns. with no lubricant plate out
for calendaring)
- IT Paraffin waxes, uses
RL: MOA (Modifier or additive use); TEM (Technical or engineered
material use); USES (Uses)
(lubricants; noncryst. ethylene terephthalate polymer
compns. with no lubricant plate out for calendaring)
- IT Lubricants
Plastic films
(noncryst. ethylene terephthalate polymer
compns. with no lubricant plate out for calendaring)
- IT Acrylic polymers, uses
Polyesters, uses
RL: POF (Polymer in formulation); TEM (Technical or engineered
material use); USES (Uses)
(noncryst. ethylene terephthalate polymer
compns. with no lubricant plate out for calendaring)
- IT Polymer blends
RL: TEM (Technical or engineered material use); USES (Uses)
(noncryst. ethylene terephthalate polymer
compns. with no lubricant plate out for calendaring)
- IT Polyolefins
RL: MOA (Modifier or additive use); TEM (Technical or engineered
material use); USES (Uses)
(waxes, lubricants; noncryst. ethylene terephthalate
polymer compns. with no lubricant plate out
for calendaring)
- IT 26787-65-5 741671-42-1
RL: MOA (Modifier or additive use); TEM (Technical or engineered
material use); USES (Uses)
(lubricant; noncryst. ethylene terephthalate polymer
compns. with no lubricant plate out for calendaring)
- IT 25038-91-9, Tsunami GS 2 743478-09-3, Parapet SA 1000F10
RL: POF (Polymer in formulation); TEM (Technical or engineered
material use); USES (Uses)
(noncryst. ethylene terephthalate polymer

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compns. with no lubricant plate out for calendaring)
 IT 9002-88-4D, Polyethylene, oxidized
 RL: MOA (Modifier or additive use); TEM (Technical or engineered
 material use); USES (Uses)
 (wax, lubricant; noncryst. ethylene terephthalate
 polymer compns. with no lubricant plate out
 for calendaring)
 OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE
 THIS RECORD (3 CITINGS)

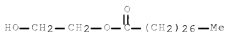
L40 ANSWER 3 OF 17 HCAPLUS COPYRIGHT 2011 ACS on STN
 ACCESSION NUMBER: 2003:991584 HCAPLUS Full-text
 DOCUMENT NUMBER: 140:43759
 TITLE: Mixtures of finely ground waxes
 INVENTOR(S): Heinrichs, Franz-Leo; Krendlinger, Ernst
 PATENT ASSIGNEE(S): Clariant G.m.b.H., Germany
 SOURCE: PCT Int. Appl., 25 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
----- WO 2003104330	A1	20031218	WO 2003-EP5669	2003 0530
<--				
W: CN, JP, US				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR				
DE 10224845	A1	20031224	DE 2002-10224845	2002 0605
<--				
EP 1513898	A1	20050316	EP 2003-757006	2003 0530
<--				
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, SK				
JP 2005533876	T	20051110	JP 2004-511394	2003 0530
<--				
US 20050241526	A1	20051103	US 2004-516928	2004 1203
<--				
PRIORITY APPLN. INFO.:			DE 2002-10224845	A 2002 0605
<--				
			WO 2003-EP5669	W 2003 0530
<--				

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

10/538,024-362669-EIC SEARCH

ED Entered STN: 21 Dec 2003
 AB The finely ground wax mixts. with improved compatibility with polar media, useful as additives in coatings and lacquers, as dispersants for pigments, as lubricants for plastics, etc., comprise (A) ester waxes, (B) amide waxes, (C) hydrocarbon waxes, and (D) oxidized long-chain hydrocarbons. A typical ground wax mixture contained sorbitol monomontanate 85, montan wax acid 15 and amide wax C 20 parts.
 IT 26787-65-5, Ethanedioic monomontanate
 RL: TEM (Technical or engineered material use); USES (Uses)
 (mixts. of finely ground waxes)
 RN 26787-65-5 HCAPLUS
 CN Octacosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IPCI C08L0091-06 [ICM,7]; C08L0091-00 [ICM,7,C*]; C08J0003-12 [ICS,7]
 IPCR C08J0003-20 [I,C*]; C08J0003-22 [I,A]; C08K0005-00 [I,C*];
 C08K0005-103 [I,A]; C08L0091-00 [I,C*]; C08L0091-06 [I,A];
 C08L0091-08 [N,A]; C09D0005-03 [I,C*]; C09D0005-03 [I,A];
 C09D0007-02 [I,C*]; C09D0007-02 [I,A]; C09D0007-12 [I,C*];
 C09D0007-12 [I,A]; C09D0011-02 [I,C*]; C09D0011-02 [I,A]
 CC 45-3 (Industrial Organic Chemicals, Leather, Fats, and Waxes)
 Section cross-reference(s): 42
 ST wax ground mixt powder coating additive; pigment
 dispersant ground wax mixt; sorbitol
 monomontanate ground wax mixt; montan wax acid ground
 wax mixt; amide wax ground mixt pigment
 dispersant
 IT Hydrophobicity
 (agents; mixts. of finely ground waxes as)
 IT Polyolefins
 RL: TEM (Technical or engineered material use); USES (Uses)
 (copolymers, modified, waxes; mixts. of
 finely ground waxes)
 IT Dispersing agents
 (for pigments; mixts. of finely ground waxes as)
 IT Candelilla wax
 RL: TEM (Technical or engineered material use); USES (Uses)
 (for plastics; mixts. of finely ground waxes)
 IT Lubricants
 (for plastics; mixts. of finely ground waxes as)
 IT Carnauba wax
 Hydrocarbon waxes, uses
 Montan wax
 Waxes
 RL: TEM (Technical or engineered material use); USES (Uses)
 (mixts. of finely ground waxes)
 IT Fatty acids, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (montan-wax; mixts. of finely ground waxes)
 IT Coating materials
 (powder; mixts. of finely ground waxes as pigment
 dispersants for)
 IT Waxes
 RL: TEM (Technical or engineered material use); USES (Uses)

10/538,024-362669-EIC SEARCH

(sugarcane; mixts. of finely ground waxes)

IT Amides, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(waxes; mixts. of finely ground waxes)

IT 26787-65-5, Ethanediol monomontanate 52258-47-6,
Calcium montanate 74388-20-8 74388-22-0 94055-02-4,
Pentaerythritol trimontanate 129774-29-4, Glycerin montanate
635677-41-7, Sorbitol montanate 635677-42-8, Sorbitol montanate
stearate
RL: TEM (Technical or engineered material use); USES (Uses)
(mixts. of finely ground waxes)

IT 147-14-8, Hostaperm Blue A 4R 1047-16-1, Hostaperm Red Violet ER
02
RL: TEM (Technical or engineered material use); USES (Uses)
(pigment; mixts. of finely ground waxes as pigment
dispersants)

IT 9002-88-4, Licowax PE 130
RL: TEM (Technical or engineered material use); USES (Uses)
(polyethylene wax; mixts. of finely ground waxes)

IT 9002-88-4D, Polyethylene, oxidized
RL: TEM (Technical or engineered material use); USES (Uses)
(wax; mixts. of finely ground waxes)

RETABLE

Referenced Author	Year	VOL	PG	Referenced Work	File
(RAU)	(RPY)	(RVL)	(RPG)	(RWK)	
Abraham, J	2001			WO 0132780 A	
Bott, R	2001			WO 0164776 A	
Clariant Gmbh	2000			EP 1010728 A	HCAPLUS
Clariant Gmbh	2001			WO 0164799 A	HCAPLUS
Du Pont	1993			EP 0529975 A	HCAPLUS
Fernz Corp Limited	1995			WO 9534200 A	HCAPLUS
Hoechst Ag	1981			EP 0028713 A	HCAPLUS
Huels Chemische Werke A	1987			EP 0222061 A	HCAPLUS
Huels Chemische Werke A	1989			EP 0324077 A	HCAPLUS
Leo, H	2001			WO 0185855 A	HCAPLUS

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Abraham, J	2001			WO 0132780 A	
Bott, R	2001			WO 0164776 A	
Clariant Gmbh	2000			EP 1010728 A	HCAPLUS
Clariant Gmbh	2001			WO 0164799 A	HCAPLUS
Du Pont	1993			EP 0529975 A	HCAPLUS
Fernz Corp Limited	1995			WO 9534200 A	HCAPLUS
Hoechst Ag	1981			EP 0028713 A	HCAPLUS
Huels Chemische Werke A	1987			EP 0222061 A	HCAPLUS
Huels Chemische Werke A	1989			EP 0324077 A	HCAPLUS
Leo, H	2001			WO 0185855 A	HCAPLUS

OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE
THIS RECORD (3 CITINGS)

L40 ANSWER 4 OF 17 HCAPLUS COPYRIGHT 2011 ACS ON STN
ACCESSION NUMBER: 2000:356459 HCAPLUS Full-text
DOCUMENT NUMBER: 133:6901
TITLE: Aqueous lubricating compositions
INVENTOR(S): Yamamoto, Yasuyoshi; Fukushima, Aritoshi;
Igarashi, Chieko; Saito, Yoko
PATENT ASSIGNEE(S): Asahi Denka Kogyo K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000144167	A	20000526	JP 1998-314582	1998

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1105

PRIORITY APPLN. INFO.:

<--
JP 1998-3145821998
1105

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ED Entered STN: 30 May 2000

AB Aqueous lubricating compns. contain (A) water-soluble or water-dispersible resins, e.g., urethane resins, (B) metal atom-containing solid lubricants, e.g., Mo-containing lubricants, and (C) C₂₀ fatty acids, their metal salts or esters or their partial saponified products.

IT 26787-65-5
RL: MOA (Modifier or additive use); USES (Uses)
(aqueous lubricating compns. containing)

RN 26787-65-5 HCAPLUS

CN Octacosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IPCI C10M0173-00 [ICM,7]; B21J0003-00 [ICS,7]; C10M0103-06 [ICS,7]; C10M0105-24 [ICS,7]; C10M0105-38 [ICS,7]; C10M0105-72 [ICS,7]; C10M0107-44 [ICS,7]; C10M0145-40 [ICS,7]; C10N0010-02 [ICS,7]; C10N0010-04 [ICS,7]; C10N0010-12 [ICS,7]; C10N0040-20 [ICS,7]

IPCR B21J0003-00 [I,C*]; B21J0003-00 [I,A]; C10M0103-00 [I,C*]; C10M0103-06 [I,A]; C10M0105-00 [I,C*]; C10M0105-24 [I,A]; C10M0105-38 [I,A]; C10M0105-72 [I,A]; C10M0107-00 [I,C*]; C10M0107-44 [I,A]; C10M0145-00 [I,C*]; C10M0145-40 [I,A]; C10M0173-00 [I,C*]; C10M0173-00 [I,A]; C10N0010-02 [N,A]; C10N0010-04 [N,A]; C10N0010-12 [N,A]; C10N0040-20 [N,A]

CC 51-8 (Fossil Fuels, Derivatives, and Related Products)
Section cross-reference(s): 55, 56

ST aq lubricating compn resin solid lubricant

IT Acrylic polymers, uses
Polyamides, uses
Polyurethanes, uses
RL: MOA (Modifier or additive use); USES (Uses)
(aqueous lubricating compns. containing)

IT Lubricating oils
(metalworking, water-based emulsions; aqueous lubricating compns.)

IT Lubricating oils
(metalworking; aqueous lubricating compns.)

IT Lubricants
(solid; aqueous lubricating compns. containing)

IT 79-06-1D, Acrylamide, polymers 79-10-7D, Acrylic acid, esters, polymers 79-41-4D, Methacrylic acid, esters, polymers 3578-72-1, Calcium behenate 9002-89-5, Poly(vinyl alcohol) 20471-51-6, Octacosanoic acid, lithium salt 26787-64-4D, calcium saponified derivs. 26787-65-5 52258-47-6, Calcium montanate 227619-26-3
RL: MOA (Modifier or additive use); USES (Uses)
(aqueous lubricating compns. containing)

IT 37268-90-9, S45C, processes
RL: PEP (Physical, engineering or chemical process); PROC (Process)

10/538,024-362669-EIC SEARCH

(aqueous lubricating compns. for)

IT 9002-98-6
 RL: MOA (Modifier or additive use); USES (Uses)
 (dispersant; aqueous lubricating compns. containing)

IT 1317-33-5, Molybdenum disulfide, uses 12174-53-7, Sericite
 RL: NUU (Other use, unclassified); TEM (Technical or engineered material use); USES (Uses)
 (solid lubricant; aqueous lubricating compns. containing)

IT 150-11-8D, Dibutyldithiocarbamic acid, sulfurized oxymolybdenum complexes 77414-73-4D, sulfurized oxymolybdenum complexes
 RL: NUU (Other use, unclassified); TEM (Technical or engineered material use); USES (Uses)
 (solid lubricants; aqueous lubricating compns. containing)

OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

L40 ANSWER 5 OF 17 HCAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2000:83231 HCAPLUS Full-text

DOCUMENT NUMBER: 132:127476

TITLE: Use of glyceryl and/or glycol esters of long-chain aliphatic (un)branched fatty acids in cosmetic and dermatological preparations to reinforce the barrier function of the skin

INVENTOR(S): Lanzendoerfer, Ghita; Schreiner, Volker; Hamer, Gunhild

PATENT ASSIGNEE(S): Beiersdorf A.-G., Germany

SOURCE: Ger. Offen., 10 pp.
 CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19834813	A1	20000203	DE 1998-19834813	1998 0801
				<--
PRIORITY APPLN. INFO.:			DE 1998-19834813	1998 0801
				<--

ED Entered STN: 03 Feb 2000

AB The barrier function of the epidermis is reinforced or restored by use of skin-conditioning and skin-cleansing compns. containing ethylene glycol mono- and diesters or glycerin mono-, di-, and triesters with C20-40 fatty acids. These compns. also are useful for treatment and prophylaxis of fissures, inflammatory or allergic processes in the skin, or neurodermatitis. Thus, a hydrodispersion gel contained stearyl alc. 2.00, behenyl alc. 2.00, ceramide 3 0.20, glyceryl arachidonate 0.50, Carbopol 0.30, hydroxyethylcellulose 0.40, glycerin 3.00, panthenol 1.00, caprylic/capric triglyceride 3.00, iso-Pr palmitate 3.00, shea butter 2.00, antioxidants, preservatives, neutralizing agents, perfume, dyes, and H2O to 100 weight%.

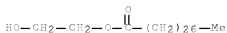
IT 26787-65-5 103048-83-5 255915-53-8
 RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (use of glyceryl and glycol esters of long-chain fatty acids in

10/538,024-362669-EIC SEARCH

cosmetic and dermatol. preps. to reinforce the skin's barrier function)

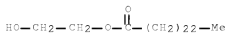
RN 26787-65-5 HCAPLUS

CN Octacosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



RN 103048-83-5 HCAPLUS

CN Tetracosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



RN 255915-53-8 HCAPLUS

CN Hexacosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IPCI A61K0007-00 [ICM,6]; A61K0007-48 [ICS,6]; A61K0007-50 [ICS,6];
A61K0031-20 [ICS,6]; A61K0031-185 [ICS,6,C*]

IPCR A61K0008-30 [I,C*]; A61K0008-37 [I,A]; A61K0031-185 [I,C*];
A61K0031-20 [I,A]; A61K0031-21 [I,C*]; A61K0031-23 [I,A];
A61K0031-232 [I,A]; A61Q0001-02 [N,C*]; A61Q0001-02 [N,A];
A61Q0001-06 [N,A]; A61Q0005-00 [I,C*]; A61Q0005-00 [I,A];
A61Q0005-02 [N,C*]; A61Q0005-02 [N,A]; A61Q0017-00 [I,C*];
A61Q0017-00 [I,A]; A61Q0019-00 [I,C*]; A61Q0019-00 [I,A];
A61Q0019-08 [I,C*]; A61Q0019-08 [I,A]; A61Q0019-10 [N,C*];
A61Q0019-10 [N,A]

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 63

IT Cosmetics

Drug delivery systems

(emulsions; use of glyceryl and glycol esters of long-chain fatty acids in cosmetic and dermatol. preps. to reinforce the skin's barrier function)

IT 112-85-6D, Behenic acid, esters with glycols and glycerol
506-32-1D, Arachidonic acid, esters with glycols and glycerol
506-46-7D, Cerotic acid, esters with glycols and glycerol
506-48-9D, Montanic acid, esters with glycols and glycerol
557-59-5D, Lignoceric acid, esters with glycols and glycerol
18641-57-1, Tribehenin 26787-65-5 59787-92-7
77538-19-3 103048-83-5 123514-65-8 229473-34-1,
Glyceryl arachidonate 255915-53-8

RL: BUU (Biological use, unclassified); THU (Therapeutic use);

BIOL (Biological study); USES (Uses)

10/538,024-362669-EIC SEARCH

(use of glyceryl and glycol esters of long-chain fatty acids in cosmetic and dermatol. preps. to reinforce the skin's barrier function)

RETABLE

Referenced	Referenced Author	Year	VOL	PG	Referenced Work	File
(RAU)	(RPY)	(RVL)	(RPG)	(RWK)		
=====	+	+	+	+	+	+
Anon				EP 0775481 A1		HCAPLUS
Anon				EP 0786251 A2		HCAPLUS
Anon				DE 19501288 A1		HCAPLUS
Anon				DE 19543633 A1		HCAPLUS
Anon				DE 19635553 A1		HCAPLUS
Anon				DE 19649101 A1		HCAPLUS
Anon				DE 19711417 A1		HCAPLUS

L40 ANSWER 6 OF 17 HCAPLUS COPYRIGHT 2011 ACS on STN
 ACCESSION NUMBER: 1999:72157 HCAPLUS [Full-text](#)
 DOCUMENT NUMBER: 130:176571
 TITLE: High-density magnetic recording medium with good running durability
 INVENTOR(S): Noguchi, Hitoshi; Nakamigawa, Junichi; Saito, Shinji
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 19 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 11025449	A	19990129	JP 1997-181351	1997 0707
			<--	
PRIORITY APPLN. INFO.:			JP 1997-181351	1997 0707
			<--	

ED Entered STN: 03 Feb 1999
 AB The recording medium has a magnetic layer containing ferromagnetic powders, a binder, a diester of a glycol and an unsatd. fatty acid, and a monoester of a glycol and an unsatd. fatty acid. The recording medium shows good electromagnetic conversion characteristics and high running durability.
 IT 220423-97-2
 RL: DEV (Device component use); MOA (Modifier or additive use);
 USES (Uses)
 (high-d. magnetic recording medium containing unsatd. fatty acid ester mixture lubricant)
 RN 220423-97-2 HCAPLUS
 CN Heptacosenoic acid, 2-hydroxyethyl ester (9CI) (CA INDEX NAME)
 CM 1
 CRN 220423-96-1
 CMF C29 H58 O3

10/538,024-362669-EIC SEARCH



IPCI G11B0005-71 [ICM,6]; C10M0105-38 [ICS,6]; C10N0040-18 [ICS,6]
 CC 77-8 (Magnetic Phenomena)
 Section cross-reference(s): 23
 IT Glycols, uses
 RL: DEV (Device component use); MOA (Modifier or additive use);
 USES (Uses)
 (esters, with unsatd. fatty acids; high-d. magnetic recording
 medium containing unsatd. fatty acid ester mixture
 lubricant)
 IT Lubricants
 Magnetic disks
 (high-d. magnetic recording medium containing unsatd. fatty acid
 ester mixture lubricant)
 IT Fatty acids, uses
 RL: DEV (Device component use); MOA (Modifier or additive use);
 USES (Uses)
 (unsatd., esters, with glycols; high-d. magnetic recording
 medium containing unsatd. fatty acid ester mixture
 lubricant)
 IT 7439-89-6, Iron, uses 7440-48-4, Cobalt, uses 11138-11-7,
 Barium ferrite
 RL: DEV (Device component use); USES (Uses)
 (ferromagnetic powders; high-d. magnetic recording medium
 containing unsatd. fatty acid ester mixture lubricant)
 IT 928-24-5 28068-33-9 39903-07-6 65438-32-6 212957-19-2
 212957-22-7 212957-27-2 220201-68-3 220423-94-9
 220423-97-2
 RL: DEV (Device component use); MOA (Modifier or additive use);
 USES (Uses)
 (high-d. magnetic recording medium containing unsatd. fatty acid
 ester mixture lubricant)

L40 ANSWER 7 OF 17 HCAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1994:55922 HCAPLUS Full-text

DOCUMENT NUMBER: 120:55922

ORIGINAL REFERENCE NO.: 120:10206h,10207a

TITLE: Polyoxymethylene molding composition
 with reduced melt flow instability

INVENTOR(S): Fleischer, Dietrich; Kirst, Andreas; Kohlhepp,
 Klaus; Sabel, Hans Dieter

PATENT ASSIGNEE(S): Hoechst A.-G., Germany

SOURCE: Eur. Pat. Appl., 6 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 548692	A2	19930630	EP 1992-121078	

10/538,024-362669-EIC SEARCH

1992
1210

EP 548692 A3 19930908 <--
 EP 548692 B1 19970326
 R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL, SE
 JP 05279550 A 19931026 JP 1992-329629

1992
1209

US 5416152 A 19950516 US 1992-988720 <--

1992
1210

ES 2101789 T3 19970716 ES 1992-121078 <--

1992
1210

PRIORITY APPLN. INFO.:

<--
 DE 1991-4140898 A

1991
1212

<--
 ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

ED Entered SIN: 05 Feb 1994

AB The title compounds comprise esters of C22-34 fatty acids with C2-8 mono- or polyhydric alcs. and, optionally, alkali or alkaline earth metal salts of C22-34 fatty acids, and/or polyethylene wax. These additives effectively reduce surface regularities in articles molded from polyacetal (especially polyoxymethylene) resins, caused by breaking of the resin melts. For example, 2-mm-thick plate extruded and calendered from a trioxane-ethylene oxide copolymer (2% ethylene oxide) (I) containing 0.05% Wax OP (montanic acid butylene glycol ester mixture with Ca montanate) had a surface free from irregularities, compared to slightly irregular surface of a standard plate made from I containing 0.2% bis(N,N-stearoyl)ethylenediamine.

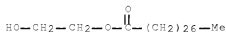
IT 26787-65-5

RL: USES (Uses)

(additive, polyoxymethylene molding composition
 containing, reduced melt flow instability of)

RN 26787-65-5 HCAPLUS

CN Octacosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IPCI C08K0005-10 [ICM,5]; C08K0005-00 [ICM,5,C*]
 IPCR B29C0043-24 [I,C*]; B29C0043-24 [I,A]; C08K0005-00 [I,C*];
 C08K0005-098 [I,A]; C08K0005-10 [I,A]; C08K0005-101 [I,A];
 C08L0023-00 [N,C*]; C08L0023-06 [N,A]; C08L0059-00 [I,C*];
 C08L0059-00 [I,A]; F23Q0002-00 [I,C*]; F23Q0002-50 [I,A]
 CC 37-6 (Plastics Manufacture and Processing)
 ST montanate butylene glycol polyoxymethylene molding
 additive; polyethylene wax additive
 polyoxymethylene molding; calcium montanate additive
 polyoxymethylene molding; surface irregularity polyoxymethylene
 molding additive; melt flow instability
 polyoxymethylene molding

10/538,024-362669-EIC SEARCH

IT Fatty acids, esters
 RL: USES (Uses)
 (C22-38, esters, with mono- or polyhydric alcs.,
 additives for molding polyoxymethylenes)

IT Fatty acids, esters
 RL: USES (Uses)
 (montan-wax, esters, with butylene glycol, Wax OP,
 additives for reducing melt flow instability
 in molding polyoxymethylenes)

IT Polyoxymethylenes, miscellaneous
 RL: MSC (Miscellaneous)
 (polyoxyalkylene-, molding composition containing montanic
 acid esters, reduced melt flow instability of)

IT Polyoxyalkylenes, miscellaneous
 RL: MSC (Miscellaneous)
 (polyoxymethylene-, molding composition containing montanic
 acid esters, reduced melt flow instability of)

IT 52258-47-6, Calcium montanate
 RL: USES (Uses)
 (additive, butylene glycol montanate and,
 polyoxymethylene molding composition containing, reduced
 melt flow instability of)

IT 26787-64-4
 RL: USES (Uses)
 (additive, calcium montanate and, polyoxymethylene
 molding composition containing, reduced melt flow
 instability of)

IT 26787-65-5 111236-60-3
 RL: USES (Uses)
 (additive, polyoxymethylene molding composition
 containing, reduced melt flow instability of)

IT 24969-25-3, Ethylene oxide-trioxane copolymer
 RL: USES (Uses)
 (molding composition containing montanic acid glycol or
 glycerol esters, reduced melt flow instability of)

IT 9002-88-4, Polyethylene
 RL: USES (Uses)
 (wax, additive, polyoxymethylene molding
 composition containing, reduced melt flow instability
 of)

OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE
 THIS RECORD (2 CITINGS)

L40 ANSWER 8 OF 17 HCAPLUS COPYRIGHT 2011 ACS on STN
 ACCESSION NUMBER: 1993:497888 HCAPLUS Full-text
 DOCUMENT NUMBER: 119:97888
 ORIGINAL REFERENCE NO.: 119:17641a,17644a
 TITLE: Manufacture of water-repellent polyester
 fibers
 INVENTOR(S): Ogawa, Kimihiro; Yamada, Hironori
 PATENT ASSIGNEE(S): Teijin Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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10/538,024-362669-EIC SEARCH

JP 04337321

A

19921125

JP 1991-138553

1991
0515

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PRIORITY APPLN. INFO.:

JP 1991-138553

1991
0515

<--

OTHER SOURCE(S): MARPAT 119:97888

ED Entered STN: 04 Sep 1993

AB The title fibers with good color and smoothness are prepared from diacids (mainly aromatic acids or their esters and diols containing ≥ 1 alkylene glycol in the presence of 5-10 parts (based on 100 parts acid component) ≥ 1 fatty acid ester of acid value 7-70 and Ti and Sb compound condensation catalysts. Di-Me terephthalate 100, ethylene glycol 58, and Mn acetate 0.08 part were heated to 240° with distillation of MeOH, treated with 0.097 parts tri-Me phosphate, 5.5 parts ethylene glycol monotanate (acid value 30), 0.03 mol% Sb2O3, and 0.03 mol% Ti trimellitate, polycondensed at 280° in vacuo, and the resulting polyester was melt-spun to give a fiber showing washfast water repellency and smooth handle.

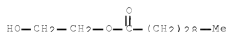
IT 55130-02-4DP, PET modified by

RL: PREP (Preparation)

(fiber, durable, water-repellent, smooth, manufacture of, catalysts for)

RN 55130-02-4 HCAPLUS

CN Triacontanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IPCI C08G0063-78 [ICM,5]; C08G0063-181 [ICS,5]; C08G0063-85 [ICS,5];

C08G0063-86 [ICS,5]; C08G0063-00 [ICS,5,C*]

IPCR C08G0063-181 [I,A]; C08G0063-00 [I,C*]; C08G0063-78 [I,A];

C08G0063-82 [I,A]; C08G0063-85 [I,A]; C08G0063-86 [I,A]

CC 40-2 (Textiles and Fibers)

IT Polymerization catalysts

(antimony and titanium compds., for manufacture of polyester fibers)

IT 25038-59-9DP, PET polymer, fatty acid ester-modified

37220-84-1DP, Ethylene glycol montanate, PET modified by

55130-02-4DP, PET modified by 84324-99-2DP, PET modified

by 139534-69-3DP, PET modified by

RL: PREP (Preparation)

(fiber, durable, water-repellent, smooth, manufacture of, catalysts for)

L40 ANSWER 9 OF 17 HCAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1986:470117 HCAPLUS Full-text

DOCUMENT NUMBER: 105:70117

ORIGINAL REFERENCE NO.: 105:11257a,11260a

TITLE: Electrostaticographic developer magnetic carrier

INVENTOR(S): Kasuya, Ryuhei; Koizumi, Fumio; Okuyama,

Takeki; Shigeta, Kunio

PATENT ASSIGNEE(S): Konishiroku Photo Industry Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.

10/538,024-362669-EIC SEARCH

DOCUMENT TYPE: CODEN: JKXXAF
 LANGUAGE: Patent
 FAMILY ACC. NUM. COUNT: 1 Japanese
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 61009663	A	19860117	JP 1984-129217	1984 0625

PRIORITY APPLN. INFO.: <--
 JP 1984-129217
 1984
 0625

ED Entered STN: 23 Aug 1986
 AB The claimed carrier has an average particle diameter 10-50 μ m and is prepared by dispersing in a binder resin a magnetic powder and a mold lubricant. Zn stearate may be used as a lubricant for the above carrier.
 IT 26787-65-5
 RL: USES (Uses)
 (electrostatog. developer magnetic carriers containing)
 RN 26787-65-5 HCAPLUS
 CN Octacosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IPCI G03G0009-10 [ICM,4]
 IPCR G03G0009-10 [I,C*]; G03G0009-107 [I,C*];
 G03G0009-107 [I,A]
 CC 74-3 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
 IT Photography, electro-, developers
 (carriers, magnetic, containing magnetite and mold lubricant dispersed in binder resin)
 IT Electrophotography
 (developers, carriers for, containing magnetite and mold lubricant dispersed in binder resin)
 IT 75-38-7D, copolymers 110-30-5 112-92-5 506-48-9
 506-48-9D, ester, partially saponified 557-05-1 9002-88-4
 11099-07-3 26787-65-5
 RL: USES (Uses)
 (electrostatog. developer magnetic carriers containing)

L40 ANSWER 10 OF 17 HCAPLUS COPYRIGHT 2011 ACS on STN
 ACCESSION NUMBER: 1981:102852 HCAPLUS Full-text
 DOCUMENT NUMBER: 94:102852
 ORIGINAL REFERENCE NO.: 94:16763a,16766a
 TITLE: Separation of straight-chain higher aliphatic carbonyl compounds
 PATENT ASSIGNEE(S): Agency of Industrial Sciences and Technology, Japan; Lion Corp.
 SOURCE: Jpn. Tokkyo Koho, 3 pp.

10/538,024-362669-EIC SEARCH

DOCUMENT TYPE: CODEN: JAXXAD
 LANGUAGE: Patent
 FAMILY ACC. NUM. COUNT: Japanese
 PATENT INFORMATION: 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 55036650	B	19800922	JP 1976-146349	1976 1206
			<--	
PRIORITY APPLN. INFO.:			JP 1976-146349	A 1976 1206
			<--	

ED Entered STN: 12 May 1984

AB Straight-chain saturated higher aliphatic carbonyl compds., e.g., C18+ aliphatic acids, esters and aldehydes were separated from the corresponding branched compds. by dissolving the mixts. in hot noncyclic ethers, keeping the solns. at room temperature and separating the deposited crystals. Thus, 73-79% pure stearic, n-docosanoic and n-octacosanoic acids, Et n-dexatriacontanoate, and n-pentacosanoic acid ethylene glycol monoester were purified by dissolving in Pr2O, (Me2CH)2O, Et2O, Et2O and PhOEt, resp., to give 100% pure compds. Similarly, n-octadecanal and n-octatriacontanal were purified with Bu2O and (EtOCH2CH2)2O, resp., to give 97% and 99% pure compds. resp.

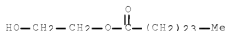
IT 76651-59-7

RL: PROC (Process)

(separation of, from branched compds. with ether)

RN 76651-59-7 HCAPLUS

CN Pentacosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IPCI C07C0047-02; C07C0053-126; C07C0053-00 [C*]; C07C0069-22; C07C0069-00 [C*]; C07C0045-81; C07C0045-00 [C*]; C07C0051-43; C07C0051-42 [C*]; C07C0067-52; C07C0067-00 [C*]

CC 23-17 (Aliphatic Compounds)

IT 57-11-4P, preparation 112-85-6 506-48-9 638-66-4

68947-62-6 76651-57-5 76651-58-6 76651-59-7

76651-60-0 76651-61-1

RL: PREP (Preparation)

(separation of, from branched compds. with ether)

L40 ANSWER 11 OF 17 HCAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1979:475348 HCAPLUS [Full-text](#)

DOCUMENT NUMBER: 91:75348

ORIGINAL REFERENCE NO.: 91:12201a,12204a

TITLE: Cellular polyesters

INVENTOR(S): Iguchi, Norio; Fukumoto, Teruhisa; Mori, Yoshio

PATENT ASSIGNEE(S): Teijin Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.

10/538,024-362669-EIC SEARCH

DOCUMENT TYPE: CODEN: JKXXAF
 LANGUAGE: Patent
 FAMILY ACC. NUM. COUNT: Japanese
 PATENT INFORMATION: 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 54050568	A	19790420	JP 1977-116651	1977 0930
JP 57046457	B	19821004		
PRIORITY APPLN. INFO.:			JP 1977-116651	A 1977 0930

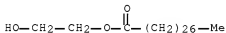
ED Entered STN: 12 May 1984

AB Uniformly cellular polyesters, with increased expansion ratio, were prepared by blending a diepoxy compound and a montanic acid salt or salt of its ester with compns. containing the polyester and foaming the composition. Thus, a blend of 100 parts poly(ethylene terephthalate) [25038-59-9] and 1 part 2,2-bis(4-hydroxyphenyl)propane diglycidyl ether (I) [1675-54-3] was pelletized. Na montanate [25728-82-9] (0.3 part) was added and the composition and 5 parts N and 8 parts CCl₄ were melt extruded together through a die to give a uniform foam with expansion ratio 27, compared with 3 for a foam obtained from a similar composition without I.

IT 71112-82-8
 RL: USES (Uses)
 (polyester foams containing, for improved uniformity)

RN 71112-82-8 HCAPLUS

CN Octacosanoic acid, 2-hydroxyethyl ester, sodium salt (1:1) (CA INDEX NAME)



● Na

IPCI C08J0009-04; C08J0009-00 [C*]; B29D0027-00 [ICA]
 IPCR C08J0009-00 [I,C*]; C08J0009-04 [I,A]; B29B0007-00 [I,C*];
 B29B0007-00 [I,A]; B29C0047-00 [I,C*]; B29C0047-00 [I,A];
 B29C0047-10 [I,C*]; B29C0047-10 [I,A]; B29C0047-38 [I,C*];
 B29C0047-38 [I,A]
 CC 36-6 (Plastics Manufacture and Processing)
 IT 25728-82-9 71112-81-7 71112-82-8
 RL: USES (Uses)
 (polyester foams containing, for improved uniformity)

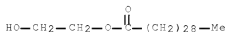
L40 ANSWER 12 OF 17 HCAPLUS COPYRIGHT 2011 ACS on STN
 ACCESSION NUMBER: 1975:411434 HCAPLUS Full-text
 DOCUMENT NUMBER: 83:11434
 ORIGINAL REFERENCE NO.: 83:1927a,1930a
 TITLE: Copolyarylate compositions with good

10/538,024-362669-EIC SEARCH

INVENTOR(S): mold releasability
Sakata, Hiroshi; Asahara, Nakaba; Okamoto,
Takashi
PATENT ASSIGNEE(S): Unitika Ltd.
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 49129747	A	19741212	JP 1973-42893	1973 0416
JP 57014384	B	19820324		
PRIORITY APPLN. INFO.:			JP 1973-42893	A 1973 0416

ED Entered STN: 12 May 1984
AB Polyesters prepared from bisphenols and mixts. of terephthalic acid (I) and isophthalic acid (II) (or their derivs.) at I group/II group molar ratio = 1-9:1-9 were mixed with 0.01-5 weight% esters or partial esters of C12-30 aliphatic saturated monocarboxylic acids and <C30 aliphatic saturated mono- or polyhydric alcs. as lubricant. Thus, a 10% CH2Cl2 solution of polyester [25639-68-3] prepared by interphase-polymerization of 1:1 I dichloride-II dichloride mixture in CH2Cl2 with an aqueous alkaline solution of bisphenol A was mixed with 0.7 weight% ethylene glycol melissate [55130-02-4], evaporated to 30% concentration, kneaded, dried, pelleted at 300°, dried at 120°, and injection-molded. Internal mold pressure and mold-release resistance were 621 kg/cm2 and 375 kg, as compared with 627 and 483 resp. for moldings prepared without the lubricant.
IT 55130-02-4
RL: USES (Uses)
(bisphenol isophthalate terephthalate polyester compns
. containing, with improved mold release)
RN 55130-02-4 HCAPLUS
CN Triacetonolac acid, 2-hydroxyethyl ester (CA INDEX NAME)



INCL 25(1)D32
IPCR C08L0067-00 [I,C*]; C08L0067-00 [I,A]
CC 36-6 (Plastics Manufacture and Processing)
IT Polyesters, uses and miscellaneous
RL: USES (Uses)
(bisphenol isophthalate terephthalate, ester-containing
composites, with improved mold release properties)
IT 55130-02-4
RL: USES (Uses)
(bisphenol isophthalate terephthalate polyester compns

10/538,024-362669-EIC SEARCH

. containing, with improved mold release)
OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE
THIS RECORD (1 CITINGS)

L40 ANSWER 13 OF 17 HCAPLUS COPYRIGHT 2011 ACS on STN
ACCESSION NUMBER: 1971:406937 HCAPLUS Full-text
DOCUMENT NUMBER: 75:6937
ORIGINAL REFERENCE NO.: 75:1143a,1146a
TITLE: Regenerated cellulose films coated with a
vinylidene chloride copolymer
PATENT ASSIGNEE(S): Kalle A.-G.
SOURCE: Fr. Demande, 9 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2016841		19700703	FR	
			<--	
PRIORITY APPLN. INFO.:			DE	1968 0731
			<--	

ED Entered STN: 12 May 1984
AB Printable and nonadherent regenerated cellulose (I) packaging films having reduced water vapor permeability were prepared by coating 21 surface with 81:0.6:3:15.4 vinylidene chlorideacrylic acid-acrylonitrile-vinyl chloride copolymer (II) composition containing an anti-friction agent. A I film containing 19% of 8:5:7 glycerol-urea-triethylene glycol and 7.5% H2O was coated on both surfaces with a solution of 93.4% II, 6.0% dilauryl ketone, and 0.6% CaCO3 in THF-PhMe to form a pressure-weldable film with reduced water vapor permeability. Approx. 3% partially saponified butylene glycol montanate, ethylene glycol montanate, or oxazolinic wax [1-alkyl-3-bis(hydroxymethyl)oxazoline diester] may be added to the II composition as adhesion resistance agents.
IT 26787-65-5
RL: USES (Uses)
(antiblocking agents, for regenerated cellulose films for packaging materials)
RN 26787-65-5 HCAPLUS
CN Octacosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IPCI C08F; C08B; B32B
CC 36 (Plastics Manufacture and Processing)
ST vinyl copolymer coating cellulose regenerated; adhesion resistant cellulose regenerated film; printable regenerated cellulose film; water vapor impermeable film; acrylonitrile copolymer coating film
IT Packaging materials

10/538,024-362669-EIC SEARCH

(cellulose films, regenerated, dichloroethylene copolymer-coated)

IT Coating materials
(dichloroethylene copolymers, on regenerated cellulose films for packaging materials)

IT 26787-64-4 26787-65-5
RL: USES (Uses)
(antiblocking agents, for regenerated cellulose films for packaging materials)

IT 9004-34-6, uses and miscellaneous
RL: USES (Uses)
(regenerated, packaging materials from dichloroethylene copolymer-coated)

L40 ANSWER 14 OF 17 HCAPLUS COPYRIGHT 2011 ACS on STN
ACCESSION NUMBER: 1970:80653 HCAPLUS Full-text
DOCUMENT NUMBER: 72:80653
ORIGINAL REFERENCE NO.: 72:14715a,14718a
TITLE: Water repellent solid compounds containing paraffin
INVENTOR(S): Hess, Richard; Wirtz, Guenter
PATENT ASSIGNEE(S): Chemische Fabrik Stockhausen und Cie.
SOURCE: Ger., 3 pp.
CODEN: GWXXAW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1469295	A	19690424	DE 1964-C34739	1964 1224
<--				
PRIORITY APPLN. INFO.:			DE 1964-C34739	A 1964 1224
<--				

ED Entered STN: 12 May 1984

AB Solid compds. stable at 35° are formed by mixing paraffin with a compound obtained by treating a C1-5 alkoxide of Ti or Al, e.g. Ti tetraalcoholate, with 0.25-0.8 mole C5-10 diols, e.g. 1,5-pentanediol, at 110°. The compound obtained is then treated with 0.05-0.3 mole montanic acid-diol monoester having 2-6 C atoms in the alkyl radical, e.g. 1,4-butylene glycol. The free aics. are distilled and optionally a carboxy acid m.>45° is added. For example, 73 parts by weight octylene glycol was treated with 100 parts Al sec-butylate by mixing at room temperature After addition of 205 parts montanic acid-butylene glycol monoester themixt. was heated for 1 hr at 90°. The free sec-BuOH was distilled under vacuum. The 258 parts wax obtained and 500 parts paraffin were melted together at 80°. After cooling, the compound was chipped out of the container.

IT 26787-65-5
RL: USES (Uses)
(waterproofing compns. with hexanediol reaction products with titanium tetrabutylate and paraffin wax)

RN 26787-65-5 HCAPLUS

CN Octacosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)

10/538,024-362669-EIC SEARCH



- CC 45 (Fats and Waxes)
- ST water repellent paraffinic solid; paraffinic solid water repellent; titanium alkoxides paraffin mixts; aluminum alkoxides paraffin mixts
- IT Waterproofing
(agents for, from alcoholate reaction products with glycols mixed with montanic acid-glycol monoesters and paraffin wax)
- IT Paraffin wax, uses and miscellaneous
RL: USES (Uses)
(water-repellent compns. from, containing alcoholate reaction products with glycols and montanic acid-glycol monoesters)
- IT Textiles
(waterproofing of, isopropyl alc. salt reaction products with glycols mixed with glycol esters and paraffin wax for)
- IT 546-68-9
RL: USES (Uses)
(reaction products with aluminum isopropylate and methylpentanediol, waterproofing compns. with paraffin wax)
- IT 26787-63-3
RL: USES (Uses)
(reaction products with aluminum isopropylate and titanium tetraisopropylate, waterproofing compns. with paraffin wax)
- IT 94-96-2, Octylene glycol
RL: USES (Uses)
(reaction products with aluminum sec-butyrate, waterproofing compns. with montanic acid ester and paraffin wax)
- IT 5593-70-4
RL: USES (Uses)
(reaction products with hexanediol, waterproofing compns. with octacosanoic acid ester and paraffin wax)
- IT 555-31-7
RL: USES (Uses)
(reaction products with methylpentanediol and titanium tetraisopropylate, waterproofing compns. with paraffin wax)
- IT 3085-30-1
RL: USES (Uses)
(reaction products with octylene glycol, waterproofing compns. with montanic acid ester and paraffin wax)
- IT 629-11-8
RL: USES (Uses)
(reaction products with titanium tetrabutylate, waterproofing compns. with montanic acid ester and paraffin wax)
- IT 26787-64-4
RL: USES (Uses)
(waterproofing compns. with alcoholate reaction products with glycols and paraffin wax)
- IT 26787-65-5

10/538,024-362669-EIC SEARCH

RL: USES (Uses)

(waterproofing compns. with hexanediol reaction
products with titanium tetrabutylate and paraffin wax)

L40 ANSWER 15 OF 17 HCAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1957:39061 HCAPLUS [Full-text](#)

DOCUMENT NUMBER: 51:39061

ORIGINAL REFERENCE NO.: 51:7297h-i

TITLE: Synthesis of esters of lignoceric alcohol and
lignoceric acid

AUTHOR(S): Khaletskii, A. M.; Gorskaya, N. M.

CORPORATE SOURCE: Chem. Pharm. Inst., Leningrad

SOURCE: Zhurnal Obshchei Khimii (1956), 26,
2765-7

CODEN: ZOKHA4; ISSN: 0044-460X

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

ED Entered STN: 22 Apr 2001

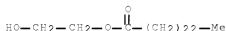
AB cf. C.A. 49, 6288c. Heating 1 mole lignoceric alc. with 4 moles carboxylic
acid in the presence of 2 moles H₂SO₄ 10 hrs. gave the following lignoceryl
esters: oleate, m. 44-8°; oxalate, m. 81-2°; malonate, m. 80-1°; and adipate,
m. 79-80°. The alc. and Ac₂O gave the acetate, m. 55-7°, while HCO₂Na and the
alc. with NaHSO₄ gave the formate, m. 57-9°. Lignoceric acid and 4 moles
(CH₂OH)₂ in 10 hrs. at 180° gave the ethylene dilignocerate, m. 74-6° (from
Me₂CO), m. 79-81° (from CHCl₃); similarly, glycerol gave the glyceryl
trilignocerate, m. 73-5° (from Me₂CO), m. 63-7° (from CHCl₃).

IT 103048-83-5

(Derived from data in the 6th Collective Formula Index
(1957-1961))

RN 103048-83-5 HCAPLUS

CN Tetracosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



CC 10 (Organic Chemistry)

IT 822-29-7 77899-05-9 103048-83-5

(Derived from data in the 6th Collective Formula Index
(1957-1961))

L40 ANSWER 16 OF 17 HCAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1957:39060 HCAPLUS [Full-text](#)

DOCUMENT NUMBER: 51:39060

ORIGINAL REFERENCE NO.: 51:7297g-h

TITLE: Separation and identification of fatty acids.
XXI. Paper chromatography of fatty acids as

their p-bromophenacyl ester derivatives

AUTHOR(S): Inoue, Yoshiyuki; Hirayama, Osamu; Noda,
Manjiro

CORPORATE SOURCE: Kyoto Univ.

SOURCE: Bulletin of the Agricultural Chemical Society
of Japan (1956), 20, 200-5

CODEN: BACOA4; ISSN: 0375-8397

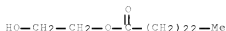
DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

ED Entered STN: 22 Apr 2001

10/538,024-362669-EIC SEARCH

AB Aliphatic acids were separated by paper chromatography as their p-bromophenacyl ester 2,4-dinitrophenylhydrazones and their Hg(OAc)₂ addition compds. Petroleum hydrocarbon (b. 140-170°) was used as the stationary solvent and MeOH-HOAc-petroleum hydrocarbon as the moving solvent. Even number C saturated acids from C₄-C₂₂, even number C monoolefinic acids from C₁₀-C₂₂ and the C₁₈ series from stearic to linolenic were well separated
 IT 163048-83-5
 (Derived from data in the 6th Collective Formula Index (1957-1961))
 RN 103048-83-5 HCAPLUS
 CN Tetracosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



CC 10 (Organic Chemistry)
 IT 822-29-7 77899-05-9 103048-83-5
 (Derived from data in the 6th Collective Formula Index (1957-1961))

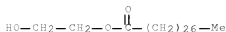
L40 ANSWER 17 OF 17 HCAPLUS COPYRIGHT 2011 ACS on SIN

ACCESSION NUMBER: 1952:50518 HCAPLUS
 DOCUMENT NUMBER: 46:50518
 ORIGINAL REFERENCE NO.: 46:8398c-d
 TITLE: Wax compound
 INVENTOR(S): Trusler, Ralf B.
 PATENT ASSIGNEE(S): Davies-Young Soap Co.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2596829		19520513	US 1949-95562	1949 0526

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ED Entered SIN: 22 Apr 2001
 AB A wax to be sprayed consists of 4-6% montanic acid ester of ethylene glycol and a petroleum solvent with a flash point between 50-90°. For airplane use the ratio is 4 lb. wax to 100 lb. solvent with 12.5% of the wax being in solution and the balance in suspension. For automobile use the ratio is 2% wax to 98% solvent with 20% of the wax being in solution and the balance in suspension.
 IT 26787-65-5, Ethylene glycol, montanic acid ester of (sprayable coatings from)
 RN 26787-65-5 HCAPLUS
 CN Octacosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



10/538,024-362669-EIC SEARCH

IPCR C09G0001-08 [I,A]
NCL 106/010.000; 106/013.000; 106/271.000; 106/272.000
CC 27 (Fats, Fatty Oils, Waxes, and Detergents)
IT 26787-65-5, Ethylene glycol, montanic acid ester of
26787-65-5, Montanic acid, ethylene glycol ester of
(sprayable coatings from)

10/538,024-362669-EIC SEARCH

FULL SEARCH HISTORY

=> d his nofile

(FILE 'HOME' ENTERED AT 15:36:23 ON 29 APR 2011)

FILE 'HCAPLUS' ENTERED AT 15:37:02 ON 29 APR 2011

E US20070167549/PN

L1 1 SEA SPE=ON ABB=ON PLU=ON US20070167549/PN
D ALL
SEL RN

FILE 'REGISTRY' ENTERED AT 15:37:40 ON 29 APR 2011

L2 2 SEA SPE=ON ABB=ON PLU=ON (102-71-6/BI OR 709654-78-4
/BI)
D SCA

FILE 'LREGISTRY' ENTERED AT 15:38:12 ON 29 APR 2011

L3 STR

FILE 'REGISTRY' ENTERED AT 15:46:14 ON 29 APR 2011

L4 1 SEA SSS SAM L3
D SCA

FILE 'LREGISTRY' ENTERED AT 15:46:56 ON 29 APR 2011

L5 STR L3

FILE 'REGISTRY' ENTERED AT 15:47:21 ON 29 APR 2011

L6 0 SEA SSS SAM L5
D QUE STAT
D QUE STAT L4
L7 28 SEA SSS FUL L3
L8 1 SEA SPE=ON ABB=ON PLU=ON L2 AND L7
D SCA
SAV TEMP L7 HAM024REG/A
D SCA L7
L9 13 SEA SPE=ON ABB=ON PLU=ON L7 AND PMS/CI
L10 15 SEA SPE=ON ABB=ON PLU=ON L7 NOT L9
D QUE
L11 11 SEA SPE=ON ABB=ON PLU=ON L10 AND 3/O
L12 4 SEA SPE=ON ABB=ON PLU=ON L10 NOT L11
D SCA
D SCA L11

FILE 'STNGUIDE' ENTERED AT 15:54:35 ON 29 APR 2011

FILE 'REGISTRY' ENTERED AT 15:56:01 ON 29 APR 2011

SAV TEMP L11 HAM024REGA/A

FILE 'HCAPLUS' ENTERED AT 15:56:25 ON 29 APR 2011

L13 22 SEA SPE=ON ABB=ON PLU=ON L11
L14 1 SEA SPE=ON ABB=ON PLU=ON L1 AND L13
D SCA
DEL SEL
SEL L14 AU
L15 27 SEA SPE=ON ABB=ON PLU=ON ("BORNEMANN, STEFFEN"/AU
OR "JOERRES, VOLKER"/AU OR "VOGES, MICHAEL"/AU)

FILE 'ZCAPLUS' ENTERED AT 15:57:22 ON 29 APR 2011

L16 QUE SPE=ON ABB=ON PLU=ON BORNEMANN S?/AU

10/538,024-362669-EIC SEARCH

L17 QUE SPE=ON ABB=ON PLU=ON JOERRES V7/AU
 L18 QUE SPE=ON ABB=ON PLU=ON VOGES M7/AU

FILE 'HCAPLUS' ENTERED AT 15:58:18 ON 29 APR 2011

FILE 'ZCAPLUS' ENTERED AT 15:58:51 ON 29 APR 2011
 L19 QUE SPE=ON ABB=ON PLU=ON L16 AND L17 AND L18

FILE 'HCAPLUS' ENTERED AT 15:59:13 ON 29 APR 2011
 L20 1 SEA SPE=ON ABB=ON PLU=ON L16 AND L17 AND L18
 D SCA
 DEL SEL
 SEL L20 PA
 L21 20 SEA SPE=ON ABB=ON PLU=ON "COROVIN GMBH GERMANY"/PA
 L22 2 SEA SPE=ON ABB=ON PLU=ON ((L15 OR L16 OR L17 OR L18
 OR L19)) AND L21
 D SCA
 L23 2 SEA SPE=ON ABB=ON PLU=ON L13 AND ((L15 OR L16 OR
 L17 OR L18 OR L19 OR L20 OR L21 OR L22))
 L24 3 SEA SPE=ON ABB=ON PLU=ON (L22 OR L23)
 D SCA
 SAV TEMP L24 HAM024HCPIN/A
 L25 20 SEA SPE=ON ABB=ON PLU=ON L13 NOT L24
 L26 QUE SPE=ON ABB=ON PLU=ON PY=<2003 NOT P/DT
 L27 QUE SPE=ON ABB=ON PLU=ON (PY=<2003 OR PRY=<2003 OR
 AY=<2003 OR MY=<2003 OR REVIEW/DT) AND P/DT
 L28 17 SEA SPE=ON ABB=ON PLU=ON L25 AND (L26 OR L27)
 L29 QUE SPE=ON ABB=ON PLU=ON MIX? OR MIXT# OR MIXTURE?
 OR BLEND? OR ADMIX? OR COMMIX?
 L30 QUE SPE=ON ABB=ON PLU=ON IMMIX? OR INTERMIX? OR
 DOPE# OR DOPING# OR DOPANT# OR IMPREGNAT? OR COMPOSIT?
 OR COMPEN#
 L31 QUE SPE=ON ABB=ON PLU=ON COMPSN# OR FORMULAT? OR
 COMBINAT? OR INTERSPER? OR SUSPEN? OR DISPERS? OR
 EMULS?
 L32 15 SEA SPE=ON ABB=ON PLU=ON L28 AND ((L29 OR L30 OR
 L31))
 L33 8 SEA SPE=ON ABB=ON PLU=ON L28 AND ?POLYM?
 L34 16 SEA SPE=ON ABB=ON PLU=ON L32 OR L33
 L35 QUE SPE=ON ABB=ON PLU=ON ADDITIVE? OR RETARDER? OR
 IMPROVER? OR STABILIZER? OR STABILISER? OR INHIBITOR?
 OR MODIFIER? OR ACTIVATOR? OR DEACTIVATOR? OR APPRECIAT
 OR? OR BOOSTER? OR SUPPRESSOR? OR SCAVENGER? OR
 ENHANCER? OR ACCELERAT'R? OR ACCELERANT? OR AGENT? OR
 PROMOT'R?
 L36 QUE SPE=ON ABB=ON PLU=ON MELT?
 L37 QUE SPE=ON ABB=ON PLU=ON L36(3A)L35
 L38 1 SEA SPE=ON ABB=ON PLU=ON L28 AND L37
 D KWIC
 D SCA
 L39 1 SEA SPE=ON ABB=ON PLU=ON L38 AND (L35 OR L36)
 L40 17 SEA SPE=ON ABB=ON PLU=ON L28 OR (L32 OR L33 OR L34)
 OR L38 OR L39
 SAV TEMP L40 HAM024HCP/A
 L41 0 SEA SPE=ON ABB=ON PLU=ON L24 AND ?POLYM?
 L42 2 SEA SPE=ON ABB=ON PLU=ON L24 AND ((L29 OR L30 OR
 L31) AND (L35 OR L36 OR L37))
 D SCA
 L43 3 SEA SPE=ON ABB=ON PLU=ON L24 OR L42
 SAV TEMP L43 HAM024HCPIN/A

10/538,024-362669-EIC SEARCH

D QUE L43
D L43 1-3 IBIB ED ABS HITSTR HITIND RE
D QUE L40
D L40 1-17 IBIB ED ABS HITSTR HITIND RETABLE